

OPINION 1720

Cycloceras M'Coy, 1844 (Mollusca, Nautiloidea): *C. laevigatum* M'Coy, 1844 designated as the type species, and a neotype designated for *C. laevigatum*

Ruling

- (1) Under the plenary powers:
 - (a) all previous fixations of type species for the nominal genus *Cycloceras* M'Coy, 1844 are hereby set aside and *Cycloceras laevigatum* M'Coy, 1844 is designated as the type species;
 - (b) all previous fixations of type specimens for *Cycloceras laevigatum* M'Coy, 1844 are hereby set aside and specimen no. GSI: F03400 in the Geological Survey of Ireland (figured by Foord, 1897, pl. 5, figs. 1a, 1b) is designated as the neotype.
- (2) The name *Cycloceras* M'Coy, 1844 (gender: neuter), type species designated in (1)(a) above *Cycloceras laevigatum* M'Coy, 1844, is hereby placed on the Official List of Generic Names in Zoology.
- (3) The name *laevigatum* M'Coy, 1844, as published in the binomen *Cycloceras laevigatum* and as defined by the neotype designated in (1)(b) above (specific name of the type species of *Cycloceras* M'Coy, 1844), is hereby placed on the Official List of Specific Names in Zoology.

History of Case 2753

An application for the conservation of usage of *Cycloceras* M'Coy, 1844 by the designation of *Cycloceras laevigatum* M'Coy, 1844 as the type species, and the designation of a neotype for *C. laevigatum*, was received from Dr Kathleen Histon (Trinity College, Dublin, Ireland) on 12 January 1990. After correspondence the case was published in BZN 48: 97–99 (June 1991). Notice of the case was sent to appropriate journals.

It was noted on the voting paper that, as mentioned in para. 7 of the application, Croneis (1926) noted that 'the genotype of *Perigrammoceras* is a species which probably should be designated as the genotype of the original *Cycloceras* of M'Coy'. He treated *Perigrammoceras* Foerste, 1924 'as a junior objective synonym of *Cycloceras* M'Coy'. However, *C. laevigatum* M'Coy, 1844 was founded on specimen F.7212 in the National Museum of Ireland (see paras. 1 and 9), whilst *O. laevigatum* sensu Foerste (1924), the basis of *Perigrammoceras*, was based on Foord's specimen F03402 in the Geological Survey of Ireland (paras. 6 and 9).

Croneis's type designation for *Cycloceras* was only tentative and did not refer to *laevigatum* in its original (M'Coy) sense. The designation was therefore invalid and proposal (1) in para. 11 of the application, which sought to set aside all previous type designations for *Cycloceras*, was amended on the voting paper to omit the words 'prior to that by Croneis (1926) of *Cycloceras laevigatum* M'Coy, 1844'.

The specimen proposed as the neotype of *Cycloceras laevigatum* M'Coy (no. GSI: F03400) was that figured by Foord (1897, pl. 5, figs. 1a, 1b) and by Sweet (1964, p. K259, figs. 186 2a, 2b) in the *Treatise on Invertebrate Paleontology*.

Decision of the Commission

On 1 December 1992 the members of the Commission were invited to vote on the proposals published in BZN 48: 99, with the amendments noted above. At the close of the voting period on 1 March 1993 the votes were as follows:

Affirmative votes — 29: Bayer, Bock, Bouchet, Cocks, Cogger, Corliss, Dupuis, Hahn, Halvorsen, Heppell, Holthuis, Kabata, Kraus, Lehtinen, Macpherson, Mahnert, Martins de Souza, Minelli, Nielsen, Nye, Ride, Savage, Schuster, Starobogatov, Štys, Thompson, Trjapitzin, Uéno, Willink

Negative votes — none.

Original references

The following are the original references to the names placed on Official Lists by the ruling given in the present Opinion:

Cycloceras M'Coy, 1844, *A synopsis of the characters of the Carboniferous Limestone fossils of Ireland*, p. 6.

laevigatum, *Cycloceras*, M'Coy, 1844, *A synopsis of the characters of the Carboniferous Limestone fossils of Ireland*, p. 10.